

The Virginia Tech Physics Department presents the
following special colloquium:

Dr. Patrick Huber (U. of Wisconsin, Madison)

“Neutrinos - Where We Stand and Where to Go”

Abstract:

Neutrinos are enigmatic particles which have provided us with one of the clearest proofs for physics beyond the Standard Model of particle physics, so far. At the same time they are valuable probes of astro-physics and fundamental symmetries. The more we learn about the intrinsic properties of this particle the better we will be able to exploit its potential as a messenger of possibly exotic phenomena which otherwise would remain undetected. I will give a brief review of the current status of neutrino physics and introduce the open questions in the field. The emphasis in the second part of my talk will be on a tentative road map for addressing these questions with a focus on oscillation physics.

Wednesday, March 14

4:00 P.M.

304 Robeson Hall